

PATENT

Attorney Docket No.014643-009031
A-72015/GKS/THR

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
LONBERG, et al.

Examiner: A.M.S. Wehbe

Art Unit: 1632

Serial No. 09/724,965

Filed: November 28, 2000

For: *Transgenic Non-Human Animals
for Producing Heterologous
Antibodies*

CERTIFICATE OF MAILING

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Signed: *Traci H. Ropp*
Traci H. Ropp

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

In satisfaction of the duty of disclosure under 37 C.F.R. § 1.56, and in accordance with the provisions of 37 C.F.R. §§ 1.97 and 1.98, Applicants wish to draw the attention of the U.S. Patent and Trademark Office to the reference cited on the accompanying form PTO/SB/8A. Copies of the references are enclosed.

None of the foregoing references are believed to disclose the invention as claimed. Nothing herein shall constitute an admission concerning the contents of any of the cited references, nor shall the inclusion of a reference herein be considered an admission that the reference constitutes prior art against the invention claimed in the above-identified application.

Serial No. 10/356,320
Filing Date: January 30, 2003

Submission of the present document shall not be construed as an admission that a search has been made or that better art does not exist.

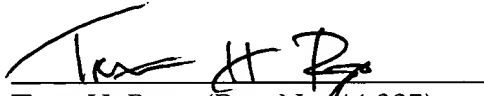
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Respectfully submitted,

DORSEY & WHITNEY LLP

Date: April 1, 2004

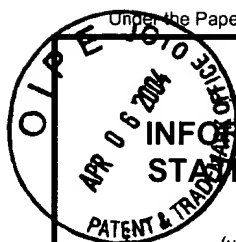
Four Embarcadero Center, Suite 3400
San Francisco, California 94111-4187
Telephone: (415) 781-1989


Traci H. Ropp (Reg. No. 44,307)

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Attachments : Form PTO/SB/8A, Substitute for form 1449
32 cited references
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STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	2	<table border="1"> <tr> <th colspan="2">Complete if Known</th> </tr> <tr> <td>Application Number</td> <td>09/724,965</td> </tr> <tr> <td>Filing Date</td> <td>November 28, 2000</td> </tr> <tr> <td>First Named Inventor</td> <td>LONBERG</td> </tr> <tr> <td>Group Art Unit</td> <td>1632</td> </tr> <tr> <td>Examiner Name</td> <td>A.M.S. Wehbe</td> </tr> <tr> <td>Attorney Docket Number</td> <td>A-72015/GKS/ THR (455675-080)</td> </tr> </table>	Complete if Known		Application Number	09/724,965	Filing Date	November 28, 2000	First Named Inventor	LONBERG	Group Art Unit	1632	Examiner Name	A.M.S. Wehbe	Attorney Docket Number	A-72015/GKS/ THR (455675-080)
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U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document Number-Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	ER	5,545,806	08-13-1996	Lonberg, et al	
	ES	5,569,825	10-29-1996	Lonberg, et al	
	ET	5,591,669	01-07-1997	Krimpenfort et al	
	EU	5,612,205	03-18-1997	Kay et al.	
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	EW	5,661,016	08-26-1997	Lonberg, et al	
	EX	5,721,367	02-24-1998	Kay et al	
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	EZ	5,814,318	09-29-1998	Lonberg, et al	
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	FF	6,114,598	09-05-2000	Kucherlapati et al	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² Number ⁴ Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	FG	WO 92/03917	03-19-1992	GenPharm Intl.		
	FH	WO 96/33735	10-31-1996	GenPharm Intl		
	FI	WO 97/13852	04-17-1997	GenPharm Intl		
	FJ	WO 98/24884	06-11-1998	GenPharm Intl		
	FK	WO 98/24893	06-11-1998	Abgenix		
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NON PATENT LITERATURE DOCUMENTS

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	FM	Harding FA, Lonberg N., "Class switching in human immunoglobulin transgenic mice", <i>Ann N Y Acad Sci.</i> , 764: 536-46 (1995).	

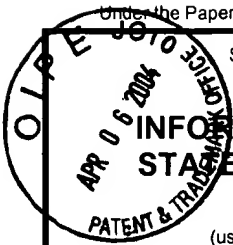
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Sheet	2	of	2	Application Number	09/724,965
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Examiner Name	A.M.S. Wehbe
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NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁶
	FN	Jakobovits A, et al., "Production of antigen-specific human antibodies from mice engineered with human heavy and light chain YACs", <i>Ann N Y Acad Sci.</i> : 764:525-35 (1995)	
	FO	Jakobovits A., "Production of fully human antibodies by transgenic mice", <i>Curr Opin Biotechnol.</i> : 6(5):561-6 (1995).	
	FP	Jakobovits A, "YAC vectors. Humanizing the mouse genome", <i>Curr Biol.</i> , 4(8):761-3 (1994)	
	FQ	Lonberg N., et al., "Antigen-specific human antibodies from mice comprising four distinct genetic modifications", <i>Nature</i> . 368(6474): 856-859 (1994)	
	FR	Lonberg N, Huszar D., "Human antibodies from transgenic mice", <i>Int Rev Immunol</i> . 13(1): 65-93 (1995).	
	FS	Storb, U. et al., "Expression of microinjected immunoglobulin kappa gene in transgenic mice", <i>Banbury Reports</i> , 20:197-207 (1985)	
	FT	Takeda, S. et al, "Deletion of the immunoglobulin kappa chain intron enhancer abolishes kappa chain gene rearrangement <i>in cis</i> but not lambda chain gene rearrangement <i>in trans</i> ", <i>EMBO J.</i> , 12(6): 2329-2336 (1993)	
	FU	Taylor, L.D. et al, "A transgenic mouse that expresses a diversity of human sequence heavy and light chain immunoglobulins", <i>Nucl. Acids Res.</i> , 20:6287-6295, (1992)	
	FV	Taylor, L.D. et al, "Human immunoglobulin transgenes undergo rearrangement, somatic mutation and class switching in mice that lack endogenous IgM", <i>Intl. Immunol.</i> , 6(4):579-591 (1994)	
	FW	Tualllon, N. et al., "Human immunoglobulin heavy-chain minilocus recombination in transgenic mice: gene-segment use in mu and gamma transcripts" <i>PNAS</i> , 90:3720-3724	
	FX	Zou, Y-R., et al., "Gene targeting in the Ig kappa locus: Efficient generation of lambda chain-expressing B cells, independent of gene rearrangements in Ig kappa", <i>EMBO J.</i> , 12(3):811-820 (1993)	

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